SEQUENCE LISTING

<110> Jin, Shengfang

<120> RESISTANCE SEQUENCES AND USES THEREOF

<130> 07334-138001

<140> US 09/774,490
<141> 2001-01-31

<150> US 60/179,191
<151> 2000-01-31

<160> 6

<170> FastSEQ for Windows Version 4.0

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<213> Mus musculus

<400> 1
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gcagcatgat tccaggtggc tcaatgatcc aaagttcatt agtgcccacc tcatctcaga     900
gagtgacaat cctgaagatg acaaagtata cttttttcttc cgtgaaaatg caatagatgg     960
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tctgctacgt agtctacaac agaaggattc aggcaattac ctctgccatg cggtggaaca      2160
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gcaaaggcca ggacataccc cagggaacag taacaaatgg aagcacttac aagaaaataa      2460
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tgcaatatac atgaactttt ttcatggcat tatgtggatg tttacaatgg tgggaaattc      2640
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<210> 2
<211> 2199
<212> DNA
<213> Mus musculus
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ctctgttgtg acttcctgat acaccatgga actcactgtt ggacttacca ttattctgaa       240
aagcccatga actgggaaaa tgctagaaag ttctgcaagc aaaattacac agatttagtc       300
gccatacaaa acaagagaga aattgagtat ttagagaata cattgcccaa aagcccttat       360
tactactgga taggaatcag gaaaattggg aaaatgtgga catgggtggg aaccaacaaa       420
actctcacta aagaagcaga gaactggggt gctggggagc ccaacaacaa gaagtccaag       480
gaggactgtg tggagatcta tatcaagagg gaacgagact ctgggaaatg gaacgatgac       540
gcctgtcaca aacgaaaggc agctctctgc tacacagcct cttgccagcc agggtcttgc       600
aatggccgtg gagaatgtgt ggaaactatc aacaatcaca cgtgcatctg tgatgcaggg       660
tattacgggc cccagtgtca gtatgtggtc cagtgtgagc ctttggaggc ccctgagttg       720
ggtaccatgg actgcatcca ccccttggga aacttcagct tccagtccaa gtgtgctttc       780
aactgttctg agggaagaga gctacttggg actgcagaaa cacagtgtgg agcatctgga       840
aactggtcat ctccagagcc aatctgccaa gtggtccagt gtgagccttt ggaggcccct       900
gagttgggta ccatggactg catccacccc ttgggaaact tcagcttcca gtccaagtgt       960
gctttcaact gttctgaggg aagagagcta cttgggactg cagaaacaca gtgtggagca      1020
tctggaaact ggtcatctcc agagccaatc tgccaagaga caaacagaag tttctcaaag      1080
atcaaagaag gtgactacaa cccccctcttc attcctgtag ccgtcatggt caccgcattc      1140
tcggggctgg catttctcat ttggctggca aggcggttaa aaaaaggcaa gaaatctcaa      1200
gaaaggatgg atgatccata ctgattcatc ctttgtgaaa ggaaagccat gaagtgctaa      1260
agacaaaaca ttggaaaata acgtcaagtc ctcccgtgaa gattttacac gcaggcatct      1320
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gctcctccta atttcccctc gctcattcat cccattaacc ctatcccata atgtgtgtct      1440
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ccacacactg caccccatga tggccaccaa acatcaaaga agggaaaatc tcctgcattg      1860
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tgttctgatg attattaata gttaatgata acacaaccca ctctcttgga gctgatgtta      1980
tgaagacaac aggtagaaaa attcctgggc tcaggctgga gtgacaccct tttctttccc      2040
taacatcttc tactcagata cctaaattta agattcagga cagctgtccc caactcttac      2100
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catgtctttt ataacttgct ccttaacttg cccaacctgt aggctatctc attttctcgc    2160
ttcactctgc aaggtttata acatgatgaa tttaaatac                          2199
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<210> 3
<211> 807
<212> DNA
<213> Mus musculus

<400> 3
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gatccctgcc ccatctctgc tcactgtccc cctgcagcca gacttccgga gcgatcagtt     180
ccggggcagg tggtacgttg tgggcctggc aggcaatgcg gtccagaaaa aaacagaagg     240
cagctttacg atgtacagca ccatctatga gctacaagag aacaatagct acaatgtcac     300
ctccatcctg gtcagggacc aggaccaggg ctgtcgctac tggatcagaa catttgttcc     360
aagctccagg gctggccagt tcactctggg aaatatgcac aggtatcctc aggtacagag     420
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ccctgaactg aaggaacgtt tcacccgctt tgccaagtct ctgggcctca aggacgacaa     600
catcatcttc tctgtctgtc tgccactcca tctttcctgt tgccagagag ccacctggct     660
gccccaccag ccaccatacc aaggagcatc tggagcctct tcttatttgg ccagcactcc     720
ccatccacct gtcttaacac caccaatggc gtcccctttc tgctgaataa atacatgccc     780
ccaaaaaaaa aaaaaaggg cggccgc                                         807
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<210> 4
<211> 241
<212> PRT
<213> Mus musculus

<400> 4
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            20                  25                  30
Leu Leu Thr Val Pro Leu Gln Pro Asp Phe Arg Ser Asp Gln Phe Arg
        35                  40                  45
Gly Arg Trp Tyr Val Val Gly Leu Ala Gly Asn Ala Val Gln Lys Lys
    50                  55                  60
Thr Glu Gly Ser Phe Thr Met Tyr Ser Thr Ile Tyr Glu Leu Gln Glu
65                  70                  75                  80
Asn Asn Ser Tyr Asn Val Thr Ser Ile Leu Val Arg Asp Gln Asp Gln
                85                  90                  95
Gly Cys Arg Tyr Trp Ile Arg Thr Phe Val Pro Ser Ser Arg Ala Gly
            100                 105                 110
Gln Phe Thr Leu Gly Asn Met His Arg Tyr Pro Gln Val Gln Ser Tyr
        115                 120                 125
Asn Val Gln Val Ala Thr Thr Asp Tyr Asn Gln Phe Ala Met Val Phe
        130                 135                 140
Phe Arg Lys Thr Ser Glu Asn Lys Gln Tyr Phe Lys Ile Thr Leu Tyr
145                 150                 155                 160
Gly Arg Thr Lys Glu Leu Ser Pro Glu Leu Lys Glu Arg Phe Thr Arg
                165                 170                 175
Phe Ala Lys Ser Leu Gly Leu Lys Asp Asp Asn Ile Ile Phe Ser Val
            180                 185                 190
Cys Leu Pro Leu His Leu Ser Cys Cys Gln Arg Ala Thr Trp Leu Pro
            195                 200                 205
His Gln Pro Pro Tyr Gln Gly Ala Ser Gly Ala Ser Ser Tyr Leu Ala
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```
    210                    215                    220
Ser Thr Pro His Pro Pro Val Leu Thr Pro Pro Met Ala Ser Pro Phe
225                    230                    235                    240
Cys
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<210> 5
<211> 1400
<212> DNA
<213> Mus musculus

<400> 5
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ccgggatacc tgcaactcaa ggatggatgc cctgagactg gcaaattcag cttttgctgt    180
tgacttgttc aaacaactat gtgaaaggga cccagcagga aacattctct tctctccaat    240
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aagtgaccag accaaaatcc ttgtggttaa tgctgcctac tttgttggaa agtggatgaa    660
gaaatttccg gaatcagaaa caaaagaatg tcctttcaga atcagcaaga cagacaccaa    720
acccgtacaa atgatgaatc ttgaggccac tttctgcttg ggtaacattg atgacatcag    780
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<210> 6
<211> 2137
<212> DNA
<213> Homo sapiens

<400> 6
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ggataactgt gactccaggc ccgcaatgga tgccctgcaa ctagcaaatt cggctttttgc    180
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caacaactca attaaggatc tcacagatgg ccactttgag aacattttag ctgacaacag     600
tgtgaacgac cagaccaaaa tccttgtggt taatgctgcc tactttgttg caagtggat      660
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caaaccagtg cagatgatga acatggaggc acgttctgt atgggaaaca ttgacagtat      780
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